

## Abstract

### Energy-absorbing case for a motor vehicle bumper beam

The energy-absorbing case (2) comprises a casing consisting of a hollow section piece which has a first end attached to the bumper beam (2) and a second end able to be fixed to the end of a longitudinal longeron (6) of the motor vehicle. The casing is filled with a metal foam with energy-absorption properties, the density of which is between  $0.1 \text{ g/cm}^3$  and  $0.4 \text{ g/cm}^3$ . Application to motor vehicles.

(Figure 1)